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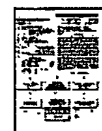
**Title:** IL0133264A0: POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCE

**Derwent Title:** New human polynucleotide useful for treating angiogenesis, restenosis, and inflammation [\[Derwent Record\]](#)

**Country:** IL Israel  
**Kind:** A0 Notice under SECTION 16 of the Patent Law 1

**Inventor:** see Assignee

**Assignee:** INSIGHT STRATEGY & MARKETING LTD.  
 HADASIT MEDICAL RESEARCH SERVICES & DEVELOPMENT LTD.  
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High  
Resolution

**Published / Filed:** 2001-04-30 / 1998-08-31

**Application Number:** IL1998000133264

**IPC Code:** IPC-7: C12N;

**ECLA Code:** None

**Priority Number:** 1997-09-02 [US1997000922170](#)  
 1998-07-02 [US1998000109386](#)  
 1998-08-31 [WO1998US0017954](#)


























**INPADOC Legal Status:** None [Get Now: Family Legal Status Report](#)

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 KE KG AT BE CH DE DK ES FI FR GB GR IE IT
























**Family:**

PDF	Publication	Pub. Date	Filed	Title
	<a href="#">WO9957244A1</a>	1999-11-11	1999-04-29	GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT HEPARANASE AND METHODS OF PURIFYING SAME
	<a href="#">WO9957153A1</a>	1999-11-11	1999-04-29	HEPARANASE SPECIFIC MOLECULAR PROBES AND THEIR USE IN RESEARCH AND MEDICAL APPLICATIONS
	<a href="#">WO9948478A1</a>	1999-09-30	1999-03-22	USE OF GLYCOSAMINOGLYCANS DEGRADING ENZYMES FOR MANAGEMENT OF AIRWAY ASSOCIATED DISEASES
	<a href="#">WO9911798A1</a>	1999-03-11	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCE
	<a href="#">WO0235350C2</a>	2003-02-20	2001-10-15	INCREMENTAL CLUSTERING CLASSIFIER AND PREDICTOR
				INCREMENTAL CLUSTERING CLASSIFIER

# POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND...

	<a href="#">WO0235350A1</a>	2002-05-02	2001-10-15	AND PREDICTOR
	<a href="#">WO0219962A3</a>	2002-07-11	2001-09-05	THERAPEUTIC AND COSMETIC USES OF HEPARANASES
	<a href="#">WO0219962A2</a>	2002-03-14	2001-09-05	THERAPEUTIC AND COSMETIC USES OF HEPARANASES
	<a href="#">WO0052178A1</a>	2000-09-08	2000-02-14	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN GENETICALLY MODIFIED CELLS
	<a href="#">WO0052149A1</a>	2000-09-08	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
	<a href="#">WO0025817A1</a>	2000-05-11	1999-10-28	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
	<a href="#">WO0003036A1</a>	2000-01-20	1999-07-12	METHOD OF SCREENING FOR POTENTIAL ANTI-METASTATIC AND ANTI-INFLAMMATORY AGENTS USING MAMMALIAN HEPARANASE AS A PROBE
	<a href="#">US20060008892A1</a>	2006-01-12	2005-06-17	Methods of and pharmaceutical compositions for improving implantation of embryos
	<a href="#">US20050260187A1</a>	2005-11-24	2005-04-15	Therapeutic and cosmetic uses of heparanases
	<a href="#">US20040229834A1</a>	2004-11-18	2004-05-24	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US20040213789A1</a>	2004-10-28	2003-08-22	Heparanase activity neutralizing anti-heparanase monoclonal antibody and other anti-heparanase antibodies
	<a href="#">US20040175371A1</a>	2004-09-09	2004-03-15	Introducing a biological material into a patient
	<a href="#">US20040170631A1</a>	2004-09-02	2003-11-28	Heparanase activity neutralizing anti-heparanase monoclonal antibody and other anti-heparanase antibodies
	<a href="#">US20040146925A1</a>	2004-07-29	2004-02-26	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US20040146497A1</a>	2004-07-29	2004-02-20	Therapeutic and cosmetic uses of heparanases
	<a href="#">US20040142427A1</a>	2004-07-22	2004-02-25	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US20040063135A1</a>	2004-04-01	2003-10-02	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US20030236215A1</a>	2003-12-25	2003-06-09	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US20030217375A1</a>	2003-11-20	2003-02-24	Transgenic animals expressing heparanase and uses thereof
	<a href="#">US20030190737A1</a>	2003-10-09	2003-03-10	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US20030181687A1</a>	2003-09-25	2003-02-19	Heparanase activity neutralizing anti-heparanase monoclonal antibody
	<a href="#">US20030170860A1</a>	2003-09-11	2003-03-10	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US20030161823A1</a>	2003-08-28	2003-01-14	Therapeutic and cosmetic uses of heparanases
	<a href="#">US20030068806A1</a>	2003-04-10	2002-05-03	Genetically modified cells and methods for expressing recombinant heparanase and methods of purifying same
	<a href="#">US20030031660A1</a>	2003-02-13	2002-06-07	Method of inducing bone formation
				Polynucleotide encoding a polypeptide having

POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND...

	<a href="#">US20020168749A1</a>	2002-11-14	2001-11-19	heparanase activity and expression of same in genetically modified cells
	<a href="#">US20020114801A1</a>	2002-08-22	1999-06-01	HEPARANASE SPECIFIC MOLECULAR PROBES AND THEIR USE IN RESEARCH AND MEDICAL APPLICATIONS
	<a href="#">US20020102619A1</a>	2002-08-01	2001-09-04	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US20020102560A1</a>	2002-08-01	2001-02-06	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US20020088019A1</a>	2002-07-04	2001-10-17	Methods of and pharmaceutical compositions for improving implantation of embryos
	<a href="#">US20020068061A1</a>	2002-06-06	1998-11-04	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
	<a href="#">US20020068054A1</a>	2002-06-06	2000-12-04	Therapeutic and cosmetic uses of heparanases
	<a href="#">US20020064858A1</a>	2002-05-30	1998-08-27	COMPOSITIONS INCLUDING GLYCOSAMINOGLYCANS DEGRADING ENZYMES AND USE OF SAME AGAINST SURFACE PROTECTED BACTERIA
	<a href="#">US20020059202A1</a>	2002-05-16	2001-05-14	Incremental clustering classifier and predictor
	<a href="#">US20020004585A1</a>	2002-01-10	2001-01-16	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US20010006630A1</a>	2001-07-05	1999-03-02	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
	<a href="#">US7049407</a>	2006-05-23	2001-01-16	Heparanase specific antibodies and their use in research and medical applications
	<a href="#">US6986996</a>	2006-01-17	2004-02-26	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US6960471</a>	2005-11-01	2003-03-10	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US6946131</a>	2005-09-20	2003-02-19	Heparanase activity neutralizing anti-heparanase monoclonal antibody
	<a href="#">US6800441</a>	2004-10-05	2001-09-04	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US6790658</a>	2004-09-14	2001-11-19	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US6699672</a>	2004-03-02	2000-11-03	Heparanase specific molecular probes and their use research and medical applications
	<a href="#">US6664105</a>	2003-12-16	1999-11-08	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
	<a href="#">US6562950</a>	2003-05-13	1998-11-04	Heparanase activity neutralizing anti-heparanase monoclonal antibody
	<a href="#">US6531129</a>	2003-03-11	1999-06-01	Heparanase specific molecular probes and their use in research and medical applications
	<a href="#">US6475763</a>	2002-11-05	2000-01-19	Genetically modified cells and methods for expressing recombinant heparanase and methods of purifying same
	<a href="#">US6426209</a>	2002-07-30	2000-08-10	Genetically modified cells and methods for expressing recombinant heparanase and methods of purifying same
	<a href="#">US6423312</a>	2002-07-23	1998-08-27	Compositions including glycosaminoglycans degrading enzymes and use of same against surface protected bacteria
				Genetically modified cells and methods for

POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND...

<input checked="" type="checkbox"/>	<a href="#">US6348344</a>	2002-02-19	1999-03-02	expressing recombinant heparanase and methods of purifying same
<input checked="" type="checkbox"/>	<a href="#">US6190875</a>	2001-02-20	1998-07-10	Method of screening for potential anti-metastatic and anti-inflammatory agents using mammalian heparanase as a probe
<input checked="" type="checkbox"/>	<a href="#">US6177545</a>	2001-01-23	1998-05-01	Heparanase specific molecular probes and their use in research and medical applications
<input checked="" type="checkbox"/>	<a href="#">US6153187</a>	2000-11-28	1998-03-25	Use of glycosaminoglycans degrading enzymes for management of airway associated diseases
<input checked="" type="checkbox"/>	<a href="#">US5968822</a>	1999-10-19	1997-09-02	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in transduced cells
<input checked="" type="checkbox"/>	<a href="#">TR0000578T2</a>	2000-07-21	1998-08-31	Heparanas aktiviteye sahip olan bir polipeptit desifre eden polin kleotit ve nevrilmis h crelerde aynisini izahi.
<input checked="" type="checkbox"/>	<a href="#">PL0338949A1</a>	2000-12-04	1998-08-31	POLYNUCLEOTIDE CODING A POLYPEPTIDE INDICATIVE OF HEPARANASE ACTIVITY AND ITS EXPRESSION IN CELLS SUBJECT TO TRANSDUCTION
<input checked="" type="checkbox"/>	<a href="#">NO20014218A0</a>	2001-08-31	2001-08-31	INTRODUKSJON AV BIOLOGISK MATERIALE INN I EN PASIENT
<input checked="" type="checkbox"/>	<a href="#">NO20014218A</a>	2001-10-26	2001-08-31	INTRODUKSJON AV BIOLOGISK MATERIALE INN I EN PASIENT
<input checked="" type="checkbox"/>	<a href="#">NO20012190A0</a>	2001-05-03	2001-05-03	Heparanase aktivitetsneytraliserende anti-heparanase monoklonalt antistoff
<input checked="" type="checkbox"/>	<a href="#">NO20012190A</a>	2001-06-12	2001-05-03	Heparanase aktivitetsneytraliserende anti-heparanase monoklonalt antistoff
<input checked="" type="checkbox"/>	<a href="#">NO20010136A0</a>	2001-01-09	2001-01-09	Fremgangsm te for screening av potensielle anti-metastase og anti-inflammatoriske midler ved bruk av pattedyr heparanase som en probe
<input checked="" type="checkbox"/>	<a href="#">NO20010136A</a>	2001-03-09	2001-01-09	Fremgangsmte for screening av potensielle antimetastase og antiinflammatoriske midler ved anvendelse av pattedyr heparanase som en probe
<input checked="" type="checkbox"/>	<a href="#">NO20005100A0</a>	2000-10-10	2000-10-10	GENETISK MODIFISERTE CELLER OG FREMGANGSMTER FOR EKSPRESJON AV REKOMBINANT HEPARANASE OG FREMGANGSMTER FOR RENSING AV SAMME
<input checked="" type="checkbox"/>	<a href="#">NO20005100A</a>	2000-12-28	2000-10-10	GENETISK MODIFISERTE CELLER OG FREMGANGSMAATER FOR EKSPRESJON AV REKOMBINANT HEPARANASE OG FREMGANGSMAATER FOR RENSING AV SAMME
<input checked="" type="checkbox"/>	<a href="#">NO0996229A0</a>	1999-12-15	1999-12-15	Heparanase spesifikke molekylaere prober og deres anvendelse i forskning og medisin
<input checked="" type="checkbox"/>	<a href="#">NO0996229A</a>	2000-02-24	1999-12-15	Heparanase spesifikke molekylrre prober og deres anvendelse i forskning og medisin
<input checked="" type="checkbox"/>	<a href="#">NO0996228A0</a>	1999-12-15	1999-12-15	Polynucleotid som koder et polypeptid med heparanase aktivitet samt ekspresjon derav i transduserte celler
<input checked="" type="checkbox"/>	<a href="#">NO0996228A</a>	2000-02-28	1999-12-15	Polynucleotid som koder et polypeptid med heparanaseaktivitet, og ekspresjon av samme i transduserte celler
<input checked="" type="checkbox"/>	<a href="#">JP2002543759T2</a>	2002-12-24	1999-10-28	
<input checked="" type="checkbox"/>	<a href="#">JP2002538181A2</a>	2002-11-12	2000-02-10	
<input checked="" type="checkbox"/>	<a href="#">JP2002520029T2</a>	2002-07-09	1999-07-12	
<input checked="" type="checkbox"/>	<a href="#">JP2002513560T2</a>	2002-05-14	1999-04-29	

POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND...

<input checked="" type="checkbox"/>	<a href="#">JP2002512533T2</a>	2002-04-23	1999-04-29	
<input checked="" type="checkbox"/>	<a href="#">JP2001514855T2</a>	2001-09-18	1998-08-31	
<input checked="" type="checkbox"/>	<a href="#">IL0144932A0</a>	2002-06-30	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
<input checked="" type="checkbox"/>	<a href="#">IL0142866A0</a>	2002-03-10	1999-10-28	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
<input checked="" type="checkbox"/>	<a href="#">IL0140298A0</a>	2002-02-10	1999-07-12	METHOD OF SCREENING FOR POTENTIAL ANTI-METASTATIC AND ANTI-INFLAMMATORY AGENTS USING MAMMALIAN HEPARANASE AS A PROBE
<input checked="" type="checkbox"/>	<a href="#">IL0138943A0</a>	2001-11-25	1999-04-29	GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT HEPARANASE AND METHODS OF PURIFYING SAME
<input checked="" type="checkbox"/>	<a href="#">IL0133265A0</a>	2001-04-30	1999-04-29	HEPARANASE SPECIFIC MOLECULAR PROBES AND THEIR USE IN RESEARCH AND MEDICAL APPLICATIONS
<input checked="" type="checkbox"/>	<a href="#">IL0133264A0</a>	2001-04-30	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCED CELLS
<input checked="" type="checkbox"/>	<a href="#">HU0002675AB</a>	2000-12-28	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCED CELLS
<input checked="" type="checkbox"/>	<a href="#">ES2259816T3</a>	2006-10-16	1998-08-31	CODIFICACION POLINUCLEOTIDA DE UN POLIPEPTIDO CON ACTIVIDAD HEPARANASA Y EXPRESION DEL MISMO EN CELULAS TRANSDUCIDAS.
<input checked="" type="checkbox"/>	<a href="#">EP1676912A2</a>	2006-07-05	1998-08-31	Medical equipment containing a polypeptide having heparanase activity
<input checked="" type="checkbox"/>	<a href="#">EP1489183A1</a>	2004-12-22	1998-08-31	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in transduced cells
<input checked="" type="checkbox"/>	<a href="#">EP1439226A3</a>	2004-10-06	1998-08-31	A nucleic acid antisense sequence to a polynucleotide encoding a polypeptide having heparanase activity
<input checked="" type="checkbox"/>	<a href="#">EP1439226A2</a>	2004-07-21	1998-08-31	A nucleic acid antisense sequence to a polynucleotide encoding a polypeptide having heparanase activity
<input checked="" type="checkbox"/>	<a href="#">EP1439193A3</a>	2004-10-06	1998-08-31	Antibody directed to polypeptide having heparanase activity
<input checked="" type="checkbox"/>	<a href="#">EP1439193A2</a>	2004-07-21	1998-08-31	Antibody directed to polypeptide having heparanase activity
<input checked="" type="checkbox"/>	<a href="#">EP1317271A2</a>	2003-06-11	2001-09-05	THERAPEUTIC AND COSMETIC USES OF HEPARANASES
<input checked="" type="checkbox"/>	<a href="#">EP1159409A4</a>	2003-05-02	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
<input checked="" type="checkbox"/>	<a href="#">EP1159409A1</a>	2001-12-05	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
<input checked="" type="checkbox"/>	<a href="#">EP1157118A4</a>	2002-07-17	2000-02-14	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN GENETICALLY MODIFIED CELLS
<input checked="" type="checkbox"/>	<a href="#">EP1157118A1</a>	2001-11-28	2000-02-14	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN GENETICALLY MODIFIED CELLS

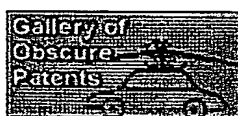
POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND...

	<a href="#">EP1126878A4</a>	2003-04-16	1999-10-28	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
	<a href="#">EP1126878A1</a>	2001-08-29	1999-10-28	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
	<a href="#">EP1097241A1</a>	2001-05-09	1999-07-12	METHOD OF SCREENING FOR POTENTIAL ANTI-METASTATIC AND ANTI-INFLAMMATORY AGENTS USING MAMMALIAN HEPARANASE AS A PROBE
	<a href="#">EP1076689A4</a>	2003-04-02	1999-04-29	GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT HEPARANASE AND METHODS OF PURIFYING SAME
	<a href="#">EP1076689A1</a>	2001-02-21	1999-04-29	GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT HEPARANASE AND METHODS OF PURIFYING SAME
	<a href="#">EP1073682A4</a>	2001-02-07	1999-04-29	HEPARANASE SPECIFIC MOLECULAR PROBES AND THEIR USE IN RESEARCH AND MEDICAL APPLICATIONS
	<a href="#">EP1073682A1</a>	2001-02-07	1999-04-29	HEPARANASE SPECIFIC MOLECULAR PROBES AND THEIR USE IN RESEARCH AND MEDICAL APPLICATIONS
	<a href="#">EP0998569B1</a>	2006-03-01	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCED CELLS
	<a href="#">EP0998569A4</a>	2000-08-16	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCED CELLS
	<a href="#">EP0998569A1</a>	2000-05-10	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCED CELLS
	<a href="#">DE69833667T2</a>	2007-03-08	1998-08-31	POLYNUKLEOTID, KODIEREND FÜR EIN POLYPEPTID MIT HEPARANASE-AKTIVITÄT UND DESSEN EXPRESSION IN TRANSDUZIERTEN ZELLEN
	<a href="#">DE69833667C0</a>	2006-04-27	1998-08-31	POLYNUKLEOTID KODIEREND FÜR EIN POLYPEPTID MIT HEPARANASE-AKTIVITÄT UND DESSEN EXPRESSION IN TRANSDUZIERTEN ZELLEN
	<a href="#">CN1272886T</a>	2000-11-08	1998-08-31	Polynucleotide encoding polypeptide having heparanase activity and expression of same in transduced cells
	<a href="#">CN1272886A</a>	2000-11-08	1998-08-31	Polynucleotide encoding polypeptide having heparanase activity and expression of same in transduced cells
	<a href="#">CA2364463AA</a>	2000-09-08	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
	<a href="#">CA2349622AA</a>	2000-05-11	1999-10-28	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
	<a href="#">CA2335382AA</a>	2000-01-20	1999-07-12	METHOD OF SCREENING FOR POTENTIAL ANTI-METASTATIC AND ANTI-INFLAMMATORY AGENTS USING MAMMALIAN HEPARANASE AS A PROBE
				GENETICALLY MODIFIED CELLS AND

<input checked="" type="checkbox"/>	<a href="#">CA2329142AA</a>	1999-11-11	1999-04-29	METHODS FOR EXPRESSING RECOMBINANT HEPARANASE AND METHODS OF PURIFYING SAME
<input checked="" type="checkbox"/>	<a href="#">CA2296758AA</a>	1999-03-11	1998-08-31	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY AND EXPRESSION OF SAME IN TRANSDUCED CELLS
<input checked="" type="checkbox"/>	<a href="#">AU9125898A1</a>	1999-03-22	1998-08-31	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in transduced cells
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<input checked="" type="checkbox"/>	<a href="#">AU3870699A1</a>	1999-11-23	1999-04-29	Heparanase specific molecular probes and their use in research and medical applications
<input checked="" type="checkbox"/>	<a href="#">AU3770599A1</a>	1999-11-23	1999-04-29	GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT HEPARANASE AND METHODS OF PURIFYING SAME
<input checked="" type="checkbox"/>	<a href="#">AU3107799A1</a>	1999-10-18	1999-03-22	USE OF GLYCOSAMINOGLYCANS DEGRADING ENZYMES FOR MANAGEMENT OF AIRWAY ASSOCIATED DISEASES
<input checked="" type="checkbox"/>	<a href="#">AU0761592B2</a>	2003-06-05	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
<input checked="" type="checkbox"/>	<a href="#">AU0758485B2</a>	2003-03-20	1999-07-12	Method of screening for potential anti-metastatic and anti-inflammatory agents using mammalian heparanase as a probe
<input checked="" type="checkbox"/>	<a href="#">AU0754228B2</a>	2002-11-07	1999-04-29	Heparanase specific molecular probes and their use in research and medical applications
<input checked="" type="checkbox"/>	<a href="#">AU0751170B2</a>	2002-08-08	1999-10-28	Heparanase activity neutralizing anti-heparanase monoclonal antibody
<input checked="" type="checkbox"/>	<a href="#">AU0735116B2</a>	2001-06-28	1998-08-31	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in transduced cells
<input checked="" type="checkbox"/>	<a href="#">AU0213188A5</a>	2002-05-06	2001-10-15	Incremental clustering classifier and predictor
<input checked="" type="checkbox"/>	<a href="#">AU0184380A5</a>	2002-03-22	2001-09-05	Therapeutic and cosmetic uses of heparanases
<input checked="" type="checkbox"/>	<a href="#">AU0029881A5</a>	2000-09-21	2000-02-10	INTRODUCING A BIOLOGICAL MATERIAL INTO A PATIENT
<input checked="" type="checkbox"/>	<a href="#">AU0028786A5</a>	2000-09-21	2000-02-14	Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
<input checked="" type="checkbox"/>	<a href="#">AU0013314A5</a>	2000-05-22	1999-10-28	HEPARANASE ACTIVITY NEUTRALIZING ANTI-HEPARANASE MONOCLONAL ANTIBODY
<input checked="" type="checkbox"/>	<a href="#">AT0318912E</a>	2006-03-15	1998-08-31	POLYNUKLEOTID KODIEREND FÜR EIN POLYPEPTID MIT HEPARANASE-AKTIVITÄT UND DESSEN EXPRESSION IN TRANSDUZIERTEN ZELLEN
133 family members shown above				

Other Abstract  
Info:

CHEMABS 130(17)219167W CHEMABS 134(02)013334X CHEMABS 134(10)128217D  
CHEMABS 134(14)188168Y CHEMABS 136(13)195300E [DERABS C1999-302255](#)



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claims 20-28

Section 2,4,5 against

41

133264/2

claims 9-12 of IL application

What is claimed is:

144932

1. A polynucleotide fragment comprising a polynucleotide sequence encoding a polypeptide having heparanase catalytic activity, wherein said polypeptide shares at least 70% homology with SEQ ID NO:10, as determined using default parameters of a DNA sequence analysis software package developed by the Genetic Computer Group (GCG) at the University of Wisconsin.
2. The polynucleotide fragment of claim 1, wherein said polynucleotide sequence includes nucleotides 63-1691 of SEQ ID NO:9.
3. The polynucleotide fragment of claim 1, wherein said polynucleotide sequence includes nucleotides 63-721 of SEQ ID NO:9.
4. The polynucleotide fragment of claim 1, wherein said polynucleotide is as set forth in SEQ ID NO:9.
5. The polynucleotide fragment of claim 1, wherein said polynucleotide sequence includes a segment of SEQ ID NO:9, said segment encodes said polypeptide having said heparanase catalytic activity.
6. The polynucleotide fragment of claim 1, wherein said polypeptide includes an amino acid sequence as set forth in SEQ ID NO:10.
7. The polynucleotide fragment of claim 1, wherein said polypeptide includes a segment of SEQ ID NO:10, said segment harbors said heparanase catalytic activity.
8. The polynucleotide fragment of claim 1, wherein said polynucleotide sequence is selected from the group consisting of double stranded DNA, single stranded DNA and RNA.



9. A polynucleotide sequence as set forth in SEQ ID NO:9.
10. A polynucleotide sequence at least 70% homologous to SEQ ID NO:9, as determined using default parameters of a DNA sequence analysis software package developed by the Genetic Computer Group (GCG) at the University of Wisconsin, wherein said polynucleotide sequence encodes a polypeptide having heparanase catalytic activity.
11. A vector comprising a polynucleotide sequence encoding a polypeptide having heparanase catalytic activity, wherein said polypeptide shares at least 70% homology with SEQ ID NO:10, as determined using default parameters of a DNA sequence analysis software package developed by the Genetic Computer Group (GCG) at the University of Wisconsin.
12. The vector of claim 11, wherein said polynucleotide sequence includes nucleotides 63-1691 of SEQ ID NO:9.
13. The vector of claim 11, wherein said polynucleotide sequence includes nucleotides 63-721 of SEQ ID NO:9.
14. The vector of claim 11, wherein said polynucleotide sequence is as set forth in SEQ ID NO:9.
15. The vector of claim 11, wherein said polynucleotide sequence includes a segment of SEQ ID NO:9, said segment encodes said polypeptide having said heparanase catalytic activity.
16. The vector of claim 11, wherein said polypeptide includes an amino acid sequence as set forth in SEQ ID NO:10.

17. The vector of claim 11, wherein said polypeptide includes a segment of SEQ ID NO:10, said segment harbors said heparanase catalytic activity.
18. The vector of claim 11, wherein said polynucleotide sequence is selected from the group consisting of double stranded DNA, single stranded DNA and RNA.
19. The vector of claim 11, wherein said vector is a baculovirus vector.
20. A host cell comprising an exogenous polynucleotide fragment including a polynucleotide sequence encoding a polypeptide having heparanase catalytic activity, wherein said polypeptide shares at least 70% homology with SEQ ID NO:10 as determined using default parameters of a DNA sequence analysis software package developed by the Genetic Computer Group (GCG) at the University of Wisconsin.
21. The host cell of claim 20, wherein said polynucleotide sequence includes nucleotides 63-1691 of SEQ ID NO:9.
22. The host cell of claim 20, wherein said polynucleotide sequence includes nucleotides 63-721 of SEQ ID NO:9.
23. The host cell of claim 20, wherein said polynucleotide sequence is as set forth in SEQ ID NO:9.
24. The host cell of claim 20, wherein said polynucleotide sequence includes a segment of SEQ ID NO:9, said segment encodes said polypeptide having said heparanase catalytic activity.
25. The host cell of claim 20, wherein said polypeptide includes an amino acid sequence as set forth in SEQ ID NO:10.
26. The host cell of claim 20, wherein said polypeptide includes a segment of SEQ ID

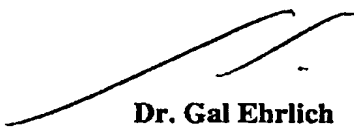
NO:10, said segment harbors said heparanase catalytic activity.

27. The host cell of claim 20, wherein said polynucleotide sequence is selected from the group consisting of double stranded DNA, single stranded DNA and RNA.

28. A host cell expressing a recombinant heparanase, wherein said recombinant heparanase shares at least 70% homology with SEQ ID NO:10, as determined using default parameter of a DNA sequence analysis software package developed by the Genetic Computer (Group (GCG) at the University of Wisconsin.

29. A heparanase overexpression system comprising a cell overexpressing heparanase catalytic activity, wherein said heparanase catalytic activity is effected by a recombinant heparanase sharing at least 70% homology with SEQ ID NO:10, as determined using default parameters of a DNA sequence analysis software package developed by the Genetic Computer Group (GCG) at the University of Wisconsin.

30. The host cell of claim 20, wherein said cell is an insect cell.



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